MONTEREY COUNTY

DEPARTMENT OF HEALTH

Ray Bullick, Director

ANIMAL SERVICES BEHAVIORAL HEALTH CLINIC SERVICES EMERGENCY MEDICAL SERVICES ENVIRONMENTAL HEALTH

PUBLIC HEALTH
PUBLIC ADMINISTRATOR/PUBLIC GUARDIAN

December 8, 2015

Moro Rd. Water System #9, ID # 270-1926 ATTN: Debbie Stowe, Treasurer/Operator 7730 Fallen Leaf Lane Salinas, CA 93907

RE: C

Compliance Order No. 15-011

Moro Rd. Water System #9, ID # 270-1926

Dear Ms. Stowe,

The California Health and Safety Code (H&SC), Section 116655, gives the Monterey County Health Department, Environmental Health Bureau, (EHB) authority to issue Orders directing compliance with the Health and Safety Code, Division 104, Part 12, Chapter 4 (a.k.a., the Safe Drinking Water Act), and with any permit, standard, or regulation issued or adopted pursuant to said Chapter. This Compliance Order directs the referenced water system to comply with State regulations and domestic water permit conditions by supplying specified documents and information.

The H&SC requires that a water system shall reimburse EHB for costs incurred in enforcement activities related to said system. Enforcement activities include preparing, issuing, and monitoring compliance with an order or citation; preparing and issuing public notification; and conducting a permit suspension or revocation hearing. Our costs, based on our current hourly rate, will be charged to the above water system for any further enforcement. If you have any questions regarding this compliance order, please contact this office at 755-4552.

Sincerely

John Ramirez, M.P.A., R.E.H.S.

Director, Environmental Health Bureau

Enclosure: Compliance Order No.15-011

cc: Cheryl Sandoval, Supervising Environmental Health Specialist

Jan Sweigert, District Engineer, State Water Resource Control Board

MONTEREY COUNTY HEALTH DEPARTMENT

2 3 4 5 6	TO: Moro Rd. Water System #9, ID # 270-1926 ATTN: Debbie Stowe, Treasurer/Operator 7730 Fallen Leaf Lane Salinas, CA 93907
7	COMPLIANCE ORDER NO.15-011
8 9 10 11	FOR VIOLATION OF HEALTH AND SAFETY CODE SECTION 1166555 (a)(1) AND THE PRIMARY DRINKING WATER STANDARD FOR ARSENIC Dated December 8, 2015
12	The Monterey County Health Department (hereinafter "Department"), acting
13	through its Local Primacy Delegation Agreement hereby issues this compliance
14	order (hereinafter "Order") pursuant to Section 116655 of the California Health
15	and Safety Code (hereinafter "CHSC") and Section 64258 of the California Code
16	of Regulations to Moro Rd. Water System #9 and its owner of record Moro Road
17	Mutual Water Company for violation of CHSC section 116555(a)(1) and Title 22,
18	California Code of Regulations (hereinafter "CCR"), Section 64431.
19	
20	A copy of the applicable statutes and regulations is included in Appendix 1, which
21	is attached hereto and incorporated herein by this reference.
22	
23	STATEMENT OF FACTS
24	Department is informed by the Water System and believes that the Moro Rd.
25	Water System #9 (hereinafter "Water System") is a privately owned community
26	water system located in Monterey County that supplies water for domestic

purposes to approximately 210 I0ndividuals through approximately 65 service connections. The Water System operates under Domestic Water Supply Permit No. 0617134, issued on June 17, 2013. The Water System is a community public water system as defined in CHSC, section 116275.

32 The Water System utilizes 3 groundwater wells as its sources of domestic water.

Title 22, CCR, Division 4, Chapter 15, Article 4, establishes primary drinking
water standards and monitoring and reporting requirements for inorganic
constituents. Community water systems must comply with the maximum
contaminant level for arsenic of 0.010 mg/L, as established in Title 22 CCR

Section 64431. This arsenic standard became effective on November 28, 2008.

A sample collected from the Water System in 2008 showed an arsenic concentration of 0.011 mg/L in Well 03. Therefore, in accordance with Section 64431 (g), the Water System was required to begin quarterly arsenic monitoring of Well 03. Sample results fluctuated over and under the MCL so the Water System also began to collect blended water samples in 2012. The blended sample is blended with two other wells in the Water System that are under the MCL for arsenic. Section 64431 (i) provides that compliance with the arsenic MCL is based on a "running annual average" (RAA) of the quarterly monitoring samples, computed each quarter. Further, Section 64431 (i) states: "if any one sample would cause the annual average to exceed the MCL, the system is immediately in violation." A summary of the Water System's arsenic

exceedances are presented in Table 1 below. All results are as reported to the

Department by the laboratory that performed the analysis.

Table 1: Well 01 (Arsenic Monitoring Results

Sample Quarter	Well 01 (2702030-001)	Sample Quarter	Blended (2702030-006)
4 th Q 2007	0.013 mg/L	1 st Q 2012	0.013 mg/L
1 st Q 2008	0.007 mg/L	2 nd Q 2012	0.017 mg/L
2 nd Q 2008	0.011 mg/L	3 rd Q 2012	0.021 mg/L
3 rd Q 2008	0.025 mg/L	4 th Q 2012	0.020 mg/L
3 rd Q 2008 Running Annual Average	0.014 mg/L	4 th Q 2012 Running Annual Average	0.018 mg/L

The 3rd quarter 2008 RAA for Well 03, calculated as the four sample results averaged over a four quarter period, is 0.014 mg/L, which exceeds the arsenic MCL of 0.010 mg/L. The 4tf quarter 2012 RAA for the Blended Site, calculated as the four sample results averaged over a four quarter period, is 0.018 mg/L, which also exceeds the arsenic MCL of 0.010 mg/L. Results of most samples taken from water produced from Well 03 since 2008 and from the Blended Site since 2012 show the RAA for arsenic in said Well and the blended sample continues to exceed the arsenic MCL. The Water System was issued Compliance Order No. 09-004 on January 22, 2009, which required the Water System to come into compliance with the new arsenic standard. The Water System has not complied with this Order in that the Water System is not in compliance with the arsenic standard.

DETERMINATIONS

- 69 Based on the above Statement of Facts, the Department has determined that the
- 70 Water System and its owner of record have violated CHSC, Section 116555 and
- Section 64431 in that the water produced by Well 03 during the 3rd quarter of
- 2008 exceeded the arsenic MCL as shown in Table 1 above, and further has
- 73 determined that said violation has continued either from the blended sample or
- the well from 1st quarter of 2012 through the date of this Order.

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DIRECTIVES

- 77 Water System and its owner of record are hereby directed to take the following
- 78 actions:
- 1. On or before March 31, 2018, comply with Title 22, CCR, Section 64431
- and remain in compliance.

81

82

- 2. On or before March 31, 2016, submit a written response to the
- Department indicating its agreement to comply with the directives of this
- Order and with the Corrective Action Plan addressed herein.

85

86

- 3. Commencing on the date of service of this Order, provide quarterly public
- notification in accordance with Attachment A, hereto, of Water System's
- failure to meet the arsenic MCL during any calendar quarter that the four-
- guarter running annual average exceeds the MCL.

Compliance Order No. [15-011]

- 91 4. Commencing on the date of service of this Order, submit proof of each
 92 public notification conducted in compliance with Directive No. 3, herein
 93 above, within 10 days following each such notification, using the form
 94 provided as Attachment B, hereto.
- Commencing on the date of service of this Order collect quarterly samples for arsenic from each well, as required by Section 64432(g), and ensure that the analytical results are reported to the State Water Resource Control Board electronically by the analyzing laboratory no later than the 10th day following the month in which the analysis was completed.

6.

Prepare for Department approval a Corrective Action Plan identifying improvements to the water system designed to correct the water quality problem (violation of the arsenic MCL) and ensure that the Water System delivers water to consumers that meets primary drinking water standards. The plan shall include a time schedule for completion of each of the phases of the project such as design, construction, and startup, and a date as of which the Water System will be in compliance with the arsenic MCL, which date shall be no later than March 31, 2018. A template for preparing the plan has been attached as Attachment C. An electronic copy of the template is available from the Department upon request.

112	7.	On or before March 31, 2016, present the Corrective Action Plan required
113		under Directive No. 6, above, to the Department in person at the
114		Department's offices located at 1270 Natividad Road, Salinas, California.
115		
116	8.	Timely perform the Department approved Corrective Action Plan and each
117		and every element of said plan according to the time schedule set forth
118		therein.
119		
120	9.	On or before September 30, 2016 and every six months thereafter, submit
121		a report to the Department in the form provided as Attachment D, hereto,
122		showing actions taken during the previous calendar six months to comply
123		with the Corrective Action Plan. An electronic copy of the form is available
124		from the Department.
125		
126	10.	Not later than ten (10) days following the date of compliance with the
127		arsenic MCL, demonstrate to the Department that the water delivered by
128		Water System complies with the arsenic MCL.
129		
130	11.	Notify the Department in writing no later than five (5) days prior to the
131		deadline for performance of any Directive set forth herein if Water System
132		and/or its owner of record anticipates it will not timely meet such
133		performance deadline.

Compliance Order No. [15-011]

134	All submittals required by this Order shall be addressed to:
135 136 137 138 139 140 141 142	Cheryl Sandoval, Supervising EHS Monterey County Health Department Environmental Health Bureau-DWPS 1270 Natividad Rd. Salinas, CA 93906 sandovalcl@co.monterey.ca.us
144	As used in this Order, the date of issuance shall be the date of this Order; and
145	the date of service shall be the date of service of this Order, personal or by
146	certified mail, on the Water System or its owner of record.
147	
148	The Department reserves the right to make such modifications to this Order
149	and/or to issue such further order(s) as it may deem necessary to protect public
150	health and safety. Such modifications may be issued as amendments to this
151	Order and shall be deemed effective upon issuance.
152	
153	Nothing in this Order relieves Water System or its owner of record of its
154	obligation to meet the requirements of the California SDWA, or any regulation,
155	standard, permit or order issued thereunder.
156	
157	PARTIES BOUND
158	This Order shall apply to and be binding upon Water System, its owners,
159	shareholders, officers, directors, agents, employees, contractors, successors,
160	and assignees.

SEVERABILITY

The Directives of this Order are severable, and Water System and its owner of record shall comply with each and every provision hereof, notwithstanding the effectiveness of any other provision.

FURTHER ENFORCEMENT ACTION

The California SDWA and the California Code of Regulations authorizes the Department to: issue a citation with assessment of administrative penalties to a public water system for violation or continued violation of the requirements of the California SDWA or any regulation, permit, standard, citation, or order issued or adopted thereunder including, but not limited to, failure to correct a violation identified in a citation or compliance order. The California SDWA also authorizes the Department to take action to suspend or revoke a permit that has been issued to a public water system if the public water system has violated applicable law or regulations or has failed to comply with an order of the Department; and to petition the superior court to take various enforcement measures against a public water system that has failed to comply with an order of the Department. The Department does not waive any further enforcement action by issuance of this

180 Order.

183 / John Ramirez, MPA, REHS

184 Director Environmental Health Bureau

185 1270 Natividad Rd. Salinas CA 93906

Date

Compliance Order No. [15-011]

186		
187		
188	Certif	fied Mail No. <u>1015 0440 0006 541 1</u> 481
189		
190	Cc:	Cheryl Sandoval, EHB
191		Jan Sweigert, SWRCB

APPENDIX 1

APPLICABLE AUTHORITIES

CHSC, Section 116555(a)(1) states in relevant part:

- (a) Any person who owns a public water system shall ensure that the system does all of the following:
- (1) Complies with primary and secondary drinking water standards.

CHSC, Section 116655 states in relevant part:

- (a) Whenever the department determines that any person has violated or is violating this chapter, or any permit, regulation, or standard issued or adopted pursuant to this chapter, the director may issue an order doing any of the following:
 - (1) Directing compliance forthwith.
 - (2) Directing compliance in accordance with a time schedule set by the department.
 - (3) Directing that appropriate preventive action be taken in the case of a threatened violation.
- (b) An order issued pursuant to this section may include, but shall not be limited to, any or all of the following requirements:
 - (1) That the existing plant, works, or system be repaired, altered, or added to.
 - (2) That purification or treatment works be installed.
 - (3) That the source of the water supply be changed.
 - (4) That no additional service connection be made to the system.
 - (5) That the water supply, the plant, or the system be monitored.
 - (6) That a report on the condition and operation of the plant, works, system, or water supply be submitted to the department.

Title 22, CCR, Section 64431 (hereinafter "Section 64431"), states in relevant part:

Public water systems shall comply with the primary MCLs in table 64431-A as specified in this article.

Table 64431-A

Maximum Contaminant Levels
Inorganic Chemicals

IIIOI 9	anic Oncimodio
Chemical	Maximum Contaminant Level, mg/L
Aluminum	1
Antimony	0.006
Arsenic	0.010
Asbestos	7 MFL*
Barium	1.
Chemical	Maximum Contaminant Level, mg/L
Beryllium	0.004
Cadmium	0.005
Chromium	0.05
Cyanide	0.15
Fluoride	2.0
Hexavalent chromium	0.010
Mercury	0.002
Nickel	0.1
Nitrate (as NO3)	45.
Nitrate+Nitrite (sum as	10.
nitrogen)	
Nitrite (as nitrogen)	1
Perchlorate	0.006
Selenium	0.05
Thallium	0.002

^{*} MFL=million fibers per liter; MCL for fibers exceeding 10 um in length.

Title 22, CCR Section 64432 (hereinafter "Section 64432") provides in relevant part:

Section 64432

- (g) If the level of any inorganic chemical, except for nitrate, nitrite, nitrate plus nitrite, or perchlorate, exceeds the MCL, the water supplier shall do one of the following:
- (1) Inform the Department within 48 hours and monitor quarterly beginning in the next quarter after the exceedance occurred; or

- (2) Inform the Department within seven days from the receipt of the analysis and, as confirmation, collect one additional sample within 14 days from receipt of the analysis. If the average of the two samples collected exceeds the MCL, this information shall be reported to the Department within 48 hours and the water supplier shall monitor quarterly beginning in the next quarter after the exceedance occurred.
- (h) If the concentration of an inorganic chemical exceeds ten times the MCL, within 48 hours of receipt of the result the water supplier shall notify the Department and resample as confirmation. The water supplier shall notify the Department of the result(s) of the confirmation sample(s) within 24 hours of receipt of the confirmation result(s).
- (1) If the average concentration of the original and confirmation sample(s) is less than or equal to ten times the MCL, the water supplier shall monitor quarterly beginning in the quarter following the quarter in which the exceedance occurred.
- (2) If the average concentration of the original and confirmation sample(s) exceeds ten times the MCL, the water supplier shall, if directed by the Department;
- (A) Immediately discontinue use of the contaminated water source; and
- (B) Not return the source to service without written approval from the Department.
- (i) Compliance with the MCLs shall be determined by a running annual average; if any one sample would cause the annual average to exceed the MCL, the system is immediately in violation. If a system takes more than one sample in a quarter, the average of all the results for that quarter shall be used when calculating the running annual average. If a system fails to complete four consecutive quarters of monitoring, the running annual average shall be based on an average of the available data.

Section 64258. Enforcement.

(a) A local primacy agency shall take enforcement actions as necessary to assure that all small water systems under the jurisdiction of the local primacy agency are in compliance with Division 104, Part 1, Chapters 4 and 5; Division 104, Part 12, Chapters 4 and 5 of the Health and Safety Code, and California Code of Regulations, Title 17, Division 1, Chapter 5, Group 4 and Title 22, Division 4, Chapters 14, 15, 15.5, 16, 17, and 17.5.

Attachment 1

Public Notification Template

AN IMPORTANT NOTICE REQUIRED BY THE MONTEREY COUNTY HEALTH DEPARTMENT

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

	MORO ROAD WATER SYSTE	M #9, I. D. 2/01926
SUBJECT:	Arsenic Quality Standard Failure	DATE:
California S to keep you the water s	state Water Resource Control Board and the fully informed about your drinking water. supply exceeds the maximum permissible. The most recent arsenic test result	rmed in compliance with the laws and regulations of the e Monterey County Environmental Health Bureau (EHB) Chemical analyses indicates that the arsenic content in e level set by the State and Federal Drinking Water collected from (site) on was
consumers : USEPA low required to	served by public water systems from the learner the arsenic MCL from 50 ppb to 10	Title 22, California Code of Regulations. To protect health risks of long-term (chronic) arsenic exposure, the ppb, which became effective in 2006. California was ovember 28, 2008, California's new arsenic maximum
MAXIMU	M ALLOWABLE CONTAMINATION I	LEVEL (MCL): 10 parts per billion (ppb)
over many	ANCE/RISKS OF ARSENIC: Some peopears may experience skin damage or prisk of getting cancer.	ple who drink water containing arsenic in excess of MCL oblems with their circulatory system, and may have an
SOURCE THE SYS	FOR DRINKING, COOKING, OR ORA	LED WATER OR WATER FROM AN APPROVED AL HYGIENE PURPOSES FOR ALL PERSONS ON HANDLING AND TRANSPORTING WATER TO TION.
ACTION 7	TAKEN TO CORRECT VIOLATION:	
OPERATO us to prov students, a and owner upon recei Additional the buyers	OR OF BUSINESS PROPERTY: Section 17 ide this notification of the following: So and parents if students are minors; owner or or operator of business property shall not not of this notification.	CONTACT PERSON NAME
ти	WATER SYSTEM NAME	PHONE # INTIL PROBLEM IS RESOLVED AND HEALTH

DEPARTMENT GIVES CLEARANCE

Attachment 2

Proof of Notification Template

PROOF OF NOTIFICATION

As required by Section 116450 of the California Health and Safety Code (H&SC), I notified all users of water supplied by the:

Moro Road Water System #9, 2701926

of the maximum contaminant level (MCL) failure for Arsenic for the Quarter of yr. Pursuant to Section 116450(f) in any case where public notification is required because a contaminant is present in drinking water at a level in excess of a primary drinking water standard, the notification shall include identification of the contaminant, information on possible effects of the contaminant on human health, and information on specific measures that should be taken by persons or populations who might be more acutely affected than the general population.

Notification was performed on _		
	(Date)	
via		
-	(method of distribution)	

Attachment 3

Arsenic Corrective Action Plan

Arsenic Corrective Action Plan

Date of Plan:
Name of Water System:
Water System ID#: 270-
The water system is currently out of compliance with the arsenic standard. In order to come into compliance, the water system will need to choose a method, secure funding, and install improvements. The final deadline for compliance is March 31, 2018. This plan will detail the steps and timeline that the water system will follow for meeting this deadline. A progress report is required to be submitted to the Monterey County Health Department every six months (September 30 th and March 31 st) detailing all progress that has been made to date, the status of compliance with the timeline, and any requested changes (with reason for request) to the timeline.
The initial plan will be due March 31, 2016 and shall contain all information known at that time for different compliance options. If adequate information is not available at that time to make a decision about each compliance option, the plan shall include a schedule for making a determination
A. COMPLIANCE OPTIONS : The following are general options for compliance with the arsenic standard. Consider each option and document your findings. The questions are only a guide to help you analyze each option.
 Consolidate with or purchase water from another system in compliance with water quality standards (How close is the nearest system(s)? Is the system(s) willing to consolidate/sell water? Why or why not (include correspondence)? What are the costs? Any major issues/challenges?)
Is this a viable option? □yes □no □not yet determined If not yet determined, what is planned action and schedule to make determination?
 Drill a new well (what is the water quality/quantity of nearby wells? Location available? What are the costs? Any major issues/challenges?)
Is this a viable option? □yes □no □not yet determined

Water System	Name:
--------------	-------

If not yet determined, what is planned action and schedule to make determination?

3. Treatment (What vendors/engineers have been contacted? What technologies have been considered? Can the system blend with a compliant well? Has treatment discharge or spent media disposal been evaluated? Have potential interfering constituents been considered? Are you doing any testing for interfering constituents? What are the costs of installation and operations? Any major issues/challenges?) Is this a viable option? □yes □no □not yet determined If not yet determined, what is planned action and schedule to make determination? 4. Other (including a combination of options)? □not yet determined Is this a viable option? □yes □no If not yet determined, what is planned action and schedule to make determination? After consideration of available options, what is your preferred option? $\hfill\square$ not yet determined (the time line to make a determination needs to be included in the sections above. Funding for a feasibility study to determine preferred option may be

B. IMPLEMENTATION OF COMPLIANCE OPTION

Once the preferred compliance option has been determined, complete the information below

available through the State Water Resource Control Board -see item C.2.b.

 What progress has been made towards implementing chosen compliance option (check and complete information under chosen option. The questions are only a guide. Please detail all information known to date and what additional information is needed.-the timeline for completion shall be detailed in section D)

Consolidate with or purchase water from another system in compliance with water quality standards: What progress has been made? For example: Has agreement been signed, easements secured, engineer hired for plans, plans developed, installation started, etc?
☐ Drill a new well: What progress has been made? For example: Has site been secured, well construction permit received, well drilled, testing completed?
☐ Treatment: What progress has been made? For example: Has technology been determined, waste disposal location determined, engineer hired, plans developed, installation started, etc?
☐ Other: What is it and what progress has been made?
C. FUNDING : 1. Do you have existing funding available? □yes □no □partial
2. If you do not have full funding available, what is your plan to secure full funding? a. Rate Increase or special assessment? □yes □no □not yet determined
 b. Apply to the State Water Resource Control Board Funding Program (funding opportunities may include low interest loans, and partial or full grants depending on eligibility) at:
http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/DWPfunding.shtml
☐ Applied - date of application:
Have you received a response? \square yes \square no \square If yes, attach copy

Water System Name:

Wat	er System Name:
	□ Don't plan to apply
D.	TIMELINE : The timeline shall include milestones for determining compliance option, implementing option (design, construction, startup), and securing funding. The final date for achieving compliance is June 30, 2018. A progress report will be due each September 30 th and March 31 st and must show adequate progress towards compliance to avoid further enforcement action
Da	te:
	Milestone: Determine compliance option (detail timeline in Section A)
Da	te:
	Milestone:
Da	te:
	Milestone:
Da	ate:
	Milestone:
Da	ate:
	Milestone:
D	ate:
	Milestone:
R	eport submitted by:
N	ame Date:
S	ignature:

Attachment 4

Arsenic Corrective Action Plan Progress Report

Arsenic Corrective Action Plan Progress Report

Date of Progress Report:
Date of Arsenic Corrective Action Plan:
Name of Water System:
Water System ID#: 270-
The progress report shall detail all progress that has been made since the last submitted report.
A. COMPLIANCE OPTION:
What is the water system's preferred compliance option?
If option is not yet determined, use section A in the original Arsenic Corrective Action Plan template to update progress.
B. IMPLEMENTATION OF COMPLIANCE OPTION
Once the preferred compliance option has been determined, complete the information below
1. Some of the options for compliance are listed below along with some of the items that need to be completed in order to implement that option. Indicate your chosen option and detail what progress has been made. The questions are only a guide and may not include all steps that need to be taken. Please detail all information known to date and what additional information is neededthe timeline for completion shall be detailed in section D)
Consolidate with or purchase water - Has agreement been signed, easements secured, engineer hired for plans, plans developed, installation started, etc?
Drill a new well - Has site been secured, well construction permit received, well drilled, testing completed?
Treatment - Has technology been determined, waste disposal location determined, interfering constituents researched, engineer hired, plans developed, installation started, etc?
□ Other -
Detail the progress that has been made since last submitted report. Also detail your planned actions for the next six months:

Water System Name:

C. FUNDING:

What is the water system's planned so	ource of funding?
	ed, use section C in the original Arsenic Corrective
Detail the progress that has been made single planned actions for the next six months. If the State Water Resource Control Board (State water Resource from the SWF all correspondence received from the SWF	water system is applying for funding through
D. TIMELINE:	
Have you complied with all milestones in y	our Arsenic Correction Action Plan?
□ yes □ no	
If no, please explain why not.	•
Do you need to propose any changes to th	ne timeline?
□ yes □ no	
If yes, please indicate the proposed chang	e and the reason for requesting the change.
Report submitted by:	
Name	Date:
Signature:	